


COUNCIL COMMUNICATION

 CITY OF DES MOINES OFFICE OF THE CITY MANAGER	Number:	22-473	Meeting:	October 24, 2022
	Agenda Item:	6B	Roll Call:	22-1604
	Submitted by:	Jonathan A. Gano, P.E., Public Works Director, and Steven L. Naber, P.E., City Engineer		

AGENDA HEADING:

Ordering construction of the following: University Avenue - 39th Street to 25th Street Improvements - Receiving bids, (11-8-22), and Setting date of hearing, (12-12-22). Construction Estimate - \$2,810,000.

SYNOPSIS:

Recommend the City Council order construction of the improvement and set dates to receive bids and hold a public hearing, as required by Iowa Code, utilizing the method of financing referenced below. This project will resurface deteriorated roadway pavement on University Avenue from 39th Street to 31st Street along with converting the roadway to a 3-lane facility with buffered on-street bike lanes. This project also includes:

- Improving sidewalk curb ramps at intersections along the corridor to meet Americans with Disabilities Act (ADA) guidelines.
- Adding a midblock pedestrian crossing with a refuge island on University Avenue near the intersection of 35th Street.
- Installation of about 1/3-mile of new storm sewer planned as part of the Western Ingersoll Sewer Separation along the south lanes of University Avenue from 39th Street to 35th Street.
- Replacing the traffic signals at the intersection of University Avenue and 31st Street.
- Resurfacing the south half of University Avenue between 31st Street and 25th Street (the north half was resurfaced as part of a sewer separation project and streetscape improvements completed in 2020).

FISCAL IMPACT:

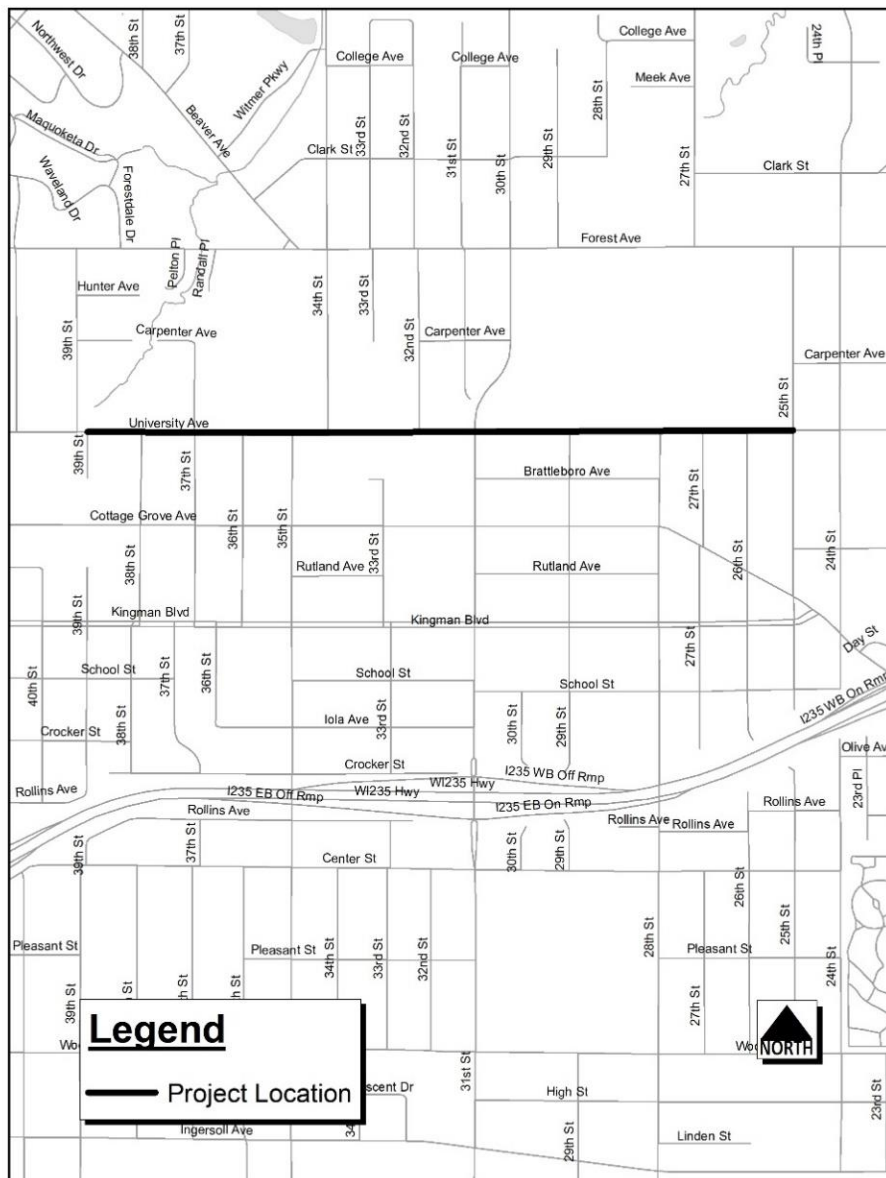
Amount: \$2,810,000 City Engineer's Estimate

Funding Source: 2022-23 CIP, Page 132, University Avenue - 48th Street to 31st Street, ST275, Being: \$1,292,967 in G.O. Bonds, \$372,053 of Sanitary Sewer Funds transferred from SS139, \$500,000 in G.O. Bonds transferred from ST276, \$500,000 of Sanitary Sewer Funds transferred from ST277, \$54,980 transferred from OP214; and the remaining \$90,000 from Des Moines Water Works

ADDITIONAL INFORMATION:

- The Engineering Department has prepared plans, specifications, form of contract documents, and City Engineer's estimate for the construction of the University Avenue - 39th Street to 25th Street Improvements, Activity ID 06-2021-009. The improvement includes Hot Mix Asphalt (HMA) pavement, Portland Cement Concrete (PCC) sidewalk and driveways, pavement removal, water main adjustments, water service replacement, storm sewer installation, manholes, intakes, pavement markings, traffic control, erosion control, surface restoration, and other incidental items; all in accordance with the contract documents, including Plan File No. 645-043/119, located on University Avenue from 39th Street to 25th Street in Des Moines, Iowa.
- The goals of this project include:
 - Improving roadway safety for all roadway users by converting the cross section from a 5-lane roadway to a 3-lane roadway with buffered bicycle lanes and improved pedestrian crossings
 - Providing a consistent, right-sized corridor, consistent with the rest of the University Avenue corridor from 25th Street to 63rd Street.
 - Resurfacing the roadway to address the existing deteriorating pavement surface.
- In 2018, a traffic study of the University Avenue Corridor from 63rd Street to 41st Street was completed and recommended converting the roadway corridor from a 4-lane roadway to a 3-lane roadway. The daily traffic volumes along the entire University Avenue Corridor from 63rd Street to 25th Street are well below the typical daily volumes handled by a 3-lane roadway.
- In 2019, University Avenue from 63rd Street to 48th Street was converted from a 4-lane roadway to a 3-lane roadway as part of two (2) resurfacing projects.
- In 2020, University Avenue from 25th Street to 31st Street was converted to a 3-lane roadway with on-street bike lanes as part of a City sewer separation project and streetscape improvements planned by Drake University.
- A virtual public meeting was held on January 5, 2022, to present planned improvements to University Avenue from 48th Street to 31st Street.
- With the storm sewer improvements planned as part of the Closes Creek Watershed Improvements between 42nd Street and 39th Street and the storm sewer improvements needed as part of the Western Ingersoll Sewer Separation between 39th Street and 35th Street, the University Avenue from 48th Street to 31st Street improvements will be constructed in two (2) phases, east and west of 39th Street respectively.
- This project will resurface deteriorated roadway pavement on University Avenue from 39th Street to 31st Street along with converting the roadway to a 3-lane facility with buffered on-street bike lanes. This project also includes:
 - Improving sidewalk curb ramps at intersections along the corridor to meet ADA guidelines.

- Adding a midblock pedestrian crossing with a refuge island on University Avenue near the intersection of 35th Street.
 - Installation of about 1/3-mile of new storm sewer planned as part of the Western Ingersoll Sewer Separation along the south lanes of University Avenue from 39th Street to 35th Street.
 - Replacing the traffic signals at the intersection of University Avenue and 31st Street.
 - Resurfacing the south half of University Avenue between 31st Street and 25th Street (the north half was resurfaced as part of a sewer separation project and streetscape improvements completed in 2020).
- The estimated construction cost is \$2,810,000. The proposed plans, specifications, and form of contract documents are available for public inspection in the Des Moines City Engineer's Office.
 - Construction of this project will begin in the spring 2023 and be completed in the fall 2023.



PREVIOUS COUNCIL ACTION(S): NONE

BOARD/COMMISSION ACTION(S):

Board: Transportation Safety Committee

Date: February 8, 2022

Resolution Number: University Avenue Improvements—31st Street to Waveland Golf Course

Action: Motion was made by Brianna Sanchez to approve the proposed concept plan of improvement for the University Avenue corridor between 31st Street and Waveland Golf Course; seconded by Giada Morresi. Motion passed 7-0.

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:

Anticipated actions include public hearing, receive and file bids, designate lowest bidder, and approve contract and bond; also, partial payments to the contractor and final acceptance of work.

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